

ABSTRACT

It is possible to provide a shape-memory molded product having excellent shape-memory properties and recycling efficiency by using a shape-memory resin having a glass transition temperature (T_g) within the range of 40°C to 200°C and a dissociation temperature (T_d) of a thermo-reversible reaction within the range of 50°C to 300°C and satisfying the relationship: $T_g + 10^\circ\text{C} \leq T_d$,
wherein the resin is deformed at a temperature of T_g to less than T_d , and cross-linked through a thermo-reversible reaction in which a covalent bond is formed by cooling and dissociated by heating.